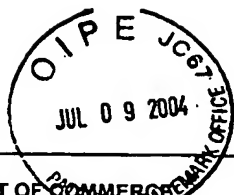


|   |           |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|---|-----------|------------------------|---|---|---|---|---|---|-------------|---|--------------|---------------------------------|---------------------------------------|-----------|
| <b>U.S. DEPARTMENT OF COMMERCE<br/>PATENT AND TRADEMARK OFFICE</b>  |           |                        |   |   |   |   |   |   |             | <b>ATTY. DOCKET NO.</b><br>37,23503                   |              | <b>SERIAL NO.</b><br>10/131,859 |                                       |           |
| <b>LIST OF DOCUMENTS CITED BY APPLICANT</b><br>(Use several sheets if necessary)  |           |                        |   |   |   |   |   |   |             | <b>APPLICANTS</b><br>Robert S. Oswald, Shengzhong Liu |              |                                 |                                       |           |
|   |           |                        |   |   |   |   |   |   |             | <b>FILING DATE</b><br>December 2, 2003                |              | <b>GROUP</b><br>Unknown         |                                       |           |
| <b>U.S. PATENT DOCUMENTS</b>  |           |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
| <b>*EXAMINER<br/>INITIAL</b>  | <b>AU</b> | 6                      | 4 | 2 | 0 | 2 | 4 | 5 | <b>DATE</b> | <b>NAME</b>   | <b>CLASS</b> | <b>SUBCLASS</b>                 | <b>FILING DATE IF<br/>APPROPRIATE</b> |           |
| M   |           |                        |   |   |   |   |   |   | 07/02       | Manor   | 438          | 460                             | —                                     |           |
| M4  | AV        | 6                      | 1 | 3 | 6 | 6 | 6 | 8 | 10/00       | Tamaki et al.   | 438          | 462                             | —                                     |           |
| M   | AW        | 6                      | 4 | 4 | 1 | 3 | 0 | 0 | 08/27/02    | Sannomiya et al.                                      | 136          | 251                             | —                                     |           |
|   | AX        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | AY        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | AZ        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BA        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BB        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BC        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BD        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BE        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
| <b>FOREIGN PATENT DOCUMENTS</b>   |           |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   |           | <b>DOCUMENT NUMBER</b> |   |   |   |   |   |   | <b>DATE</b> | <b>COUNTRY</b>  | <b>CLASS</b> | <b>SUBCLASS</b>                 | <b>TRANSLATION</b>                    |           |
|   |           |                        |   |   |   |   |   |   |             |   |              |                                 | <b>YES</b>                            | <b>NO</b> |
|   | BF        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BG        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BH        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BI        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BJ        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>   |           |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BK        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BL        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
|   | BM        |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |
| <b>EXAMINER</b> <u>Uwe Hoang</u>  |           |                        |   |   |   |   |   |   |             | <b>DATE CONSIDERED</b> <u>10/04</u>                   |              |                                 |                                       |           |
| <small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small> |           |                        |   |   |   |   |   |   |             |   |              |                                 |                                       |           |



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37,23503SERIAL NO.  
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## APPLICANTS

Robert S. Oswald, Shengzhong Liu

## FILING DATE

December 2, 2003

## GROUP

Unknown

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | NAME            | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|----------------------|----|-----------------|---|---|---|---|---|---|----------|-----------------|-------|----------|-------------------------------|
| h                    | AA | 4               | 8 | 9 | 2 | 5 | 9 | 2 | 01/09/90 | Dickson et al.  | 136   | 244      | —                             |
|                      | AB | 4               | 7 | 2 | 4 | 0 | 1 | 1 | 02/09/88 | Turner et al.   | 136   | 249      | —                             |
|                      | AC | 4               | 7 | 2 | 1 | 6 | 2 | 9 | 01/26/88 | Sakai et al.    | 427   | 35       | —                             |
|                      | AD | 5               | 1 | 7 | 6 | 7 | 5 | 8 | 01/05/93 | Nath et al.     | 136   | 251      | —                             |
|                      | AE | 4               | 2 | 9 | 2 | 0 | 9 | 2 | 09/29/81 | Joseph J. Hanak | 148   | 1.5      | —                             |
|                      | AF | 5               | 2 | 5 | 4 | 1 | 7 | 9 | 10/19/93 | Ricaud et al.   | 136   | 244      | —                             |
|                      | AG | 4               | 7 | 9 | 5 | 5 | 0 | 0 | 01/03/89 | Kishi et al.    | 136   | 244      | —                             |
|                      | AH | 6               | 2 | 6 | 5 | 6 | 5 | 2 | 07/01    | Kurata et al.   | 136   | 244      | —                             |
|                      | AI | 6               | 4 | 5 | 5 | 3 | 4 | 7 | 09/02    | Hiraishi et al. | 438   | 80       | —                             |
|                      | AJ | 5               | 4 | 6 | 8 | 6 | 5 | 2 | 11/95    | Gee             | 437   | 2        | —                             |
| h                    | AK | 5               | 6 | 9 | 3 | 1 | 8 | 1 | 12/97    | Bernstein       | 156   | 644.1    | —                             |

## FOREIGN PATENT DOCUMENTS

|   |    | DOCUMENT NUMBER |    |    |   |   |   |   | DATE     | COUNTRY                 | CLASS | SUBCLASS | TRANSLATION |    |
|---|----|-----------------|----|----|---|---|---|---|----------|-------------------------|-------|----------|-------------|----|
|   |    |                 |    |    |   |   |   |   |          |                         |       |          | YES         | NO |
| h | AL | JP              | 63 | 28 | 9 | 9 | 6 | 9 | 11/28/88 | Japan (Patent Abstract) | —     | —        | —           |    |
|   | AM |                 |    |    |   |   |   |   |          |                         |       |          |             |    |
|   | AN |                 |    |    |   |   |   |   |          |                         |       |          |             |    |
|   | AO |                 |    |    |   |   |   |   |          |                         |       |          |             |    |
|   | AP |                 |    |    |   |   |   |   |          |                         |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

|   |    |  |
|---|----|--|
| h | AR | Article, Ronald D. Schaeffer and Ilias Syrgabaev, Solar Electricity Shines, January 2001 Issue of Industrial Laser Solutions, pp. 33-34                                    |
| h | AS | Leppanen, et al., "Manufacturing Options for Large a-Si PV Façade Elements," Engineering Conference, Vienna, Austria, July 6-10, 1998, Vol. 3, July 6, 1998, pp. 2575-2578 |
| h | AT | Stark et al., "Konstruktive Varianten Beim Modulaufbau, "Photovoltaik Architektonische Gebaeudeintegration, XX, XX, July 2000, pp. 10-15; 18-19; 25-26 and 32-37.          |

EXAMINER

Quoc Hoang

DATE CONSIDERED

10/04

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